

**DESCRIPTION**

Potassium silicate-based paint with mineral binders. Due to its chemical nature, it does not form a film but hardens due to a chemical reaction with the substrate.

It is characterized by high water vapour permeability so as to guarantee the breathability required to ensure dry walls, making it ideal as a finishing product for dehumidifying systems.

Its high quality guarantees maximum protection and resistance of the colour in outdoor environments and it has the power to fill the substrate, obtaining a compact, even, opaque finish that makes it particularly suitable for the facades of historical and new buildings.

**COMPOSITION**

Product formulated with mineral binders based on potassium silicate.

**PERFORMANCE DATA**

	Class EN 1062	Method	Value
Opacity level (Contrast ratio)	2 (10m <sup>2</sup> /l)	UNI EN ISO 6504-3	≥ 98 e < 99.5%
Gloss level	Matt	UNI EN ISO 2813	< 10
Dirt retention	low	UNI 10792	ΔL > 3 e ≤ 9
Solid by weight		Internal PF25	52-56 %

**SPECIFICATION DATA**

Specific weight	Internal PF3	1450-1550 g/l
Drying time	Internal PF2	Srecoatable 4-6h; fully 5 days
Coverage	Internal PF11	> 98

**SHELF LIFE**

1 year minimum, stored in its unopened original can at temperatures between +5°C and +30°C.

**COLOUR RANGE**

White

The range of colours can be extended using the *Tucano* sample books

The colour could vary slightly from one production batch to the next; it is therefore important to finish the job with the same batch.

**TYPICAL USE**

It is ideal for decorating and protecting, from atmospheric agents in rural, marine or industrial environments, new structures or structures undergoing maintenance that have alkaline substrates such as plasters with different compositions (cement, common lime, pre-mixed, skim coat plaster for exterior insulation) and old silicate and lime-based paints. Strong colours may also be used.

Cannot be applied on synthetic paints. Although compatible with cement and reinforced concrete, it does not provide proper protection due to its high breathability. On exterior surfaces that are subject to biological pollutants such as mold, algae and moss. Treat the surface with Antimuffa B1 and add 350 ml of B25 every 14 litres of paint.

Since the product hardens by a chemical reaction with the substrate, it is important to cover the surfaces that do not require painting (glass and marble) and to remove any colour stains immediately. Clean tools with water.

**TOOLS**

Roller, Brush, Spray

**THINNING**

Undercoat: 30-40% by volume with *Silicap Fix*

Top coat: 10-20% by volume with *Silicap Fix*.

## COVERAGE

8-10 m<sup>2</sup>/l per coat.

## APPLY

+5°C +30°C

## COATING SYSTEM

**New substrates made of cement-based and gauged mortar plasters, dehumidifying plasters and old silicate and lime-based paint**

- 1.1 Power wash to remove any impurities such as dirt, moss, mould and parts flaking off the casting, and proceed as follows:
- 1.2 Apply a coat of *Silicap* diluted with *Silicapfix* by 30-40% to a dry surface;
- 1.3 After 4-6 hours, apply two coats of *Silicap Pittura* (diluted with *Silicapfix* by 10-20%), 4-6 hours apart.

**Maintenance of old synthetic paint and synthetic coatings**

- 2.1 Using brushes and scrapers, remove any old paint that is flaking off, bloom or other uneven residues or crumbling materials and power wash with a high pressure water jet cleaner.
- 2.2 Restore any missing parts of plaster with *Rasacap 50* or *501*;
- 2.3 After 2 days, apply a coat of *Unifix* primer diluted 20% by weight with water.
- 2.4 After 4-6 hours, proceed as per point 1.3.

**Maintenance on old paint polluted with mould**

1. Disinfest the surface with anti-mould *B1*.
2. After 4-5 hours, proceed to prepare the substrate as per points 2.1, 2.2, 2.3, 2.4, and apply *Silicap* supplemented with 350ml of *B25* for every 14 litres of paint.

## SPECIFICATION ITEM

Silicate-based mineral finishing paint containing inorganic pigments, non-flammable, with high breathability. Opaque finish applied at a consumption rate of 220 ml/m<sup>2</sup>.

## INSTRUCTIONS

To carry out the work in a proper way, it is needed to strictly follow the instructions for the preparation of the surfaces contained in the CAP Arreghini Books. This technical information is intended as a rough guide. However, because of the enormous variety of media and application conditions, it is essential to check the suitability of the product and test the effectiveness on a sample. The specification data and technical information have been calculated at +23°C with relative ambient humidity of 65%. In different conditions the data and the time intervals between the two phases of the above reported coating system can vary.

PRODUCT DATA SHEET  
**SILICAP**  
Silicate mineral paint for exteriors

